

2697-2749

1060-1091



6680

Aug. 86 -  
Sept. 87

# Abbreviations of — bottoms —

C.	Clay	brk	broken
Co.	Coral	crs	coarse
G.	Gravel	fine	fine
M.	Mud	hrd	hard
Oz.	Ooze	lge	large
P.	Pebbles	rky	rocky
R.	Rock	sft	soft
S.	Sand	sm	small
Sh.	Shells	stk	sticky
Sp.	Specks	stf	stiff
St	Stones		
For.	Foraminifera		
Glob.	Globigerina		
bk	black	gy	gray
br	brown	lt	light
bu	blue	rd	red
dk	dark	wh	white
gn	green	yl	yellow



4-09-30

3 49-15

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2 0115

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4-10-30

50 000

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2 0126



No. 2697 — Date August 12<sup>th</sup> 1886

Sigsbee Machine. 2. Reel.

Turns 191 Cor. + 15 Depth 206

Shot or lead 35 lbs.

Bottom gn. M. bk. sp.

Bottom temperature 38.

No. of Thermometer 54820 Cor. - 2

Corrected temperature 37.8

Air 53 Surface 48 Drift, 2 m. N. x S.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
11.49.00	59.10	0.	12.09.30	15.00
50.10	58.15	100	13.10	1.07.45
51.00	11.55.00	200	16.25	51.00
		300	19.40	39.00
		400	24.00	12.35.00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

Trawl contained 1 Ray - 1 Flounder - 1 Halibut - 15 small Macrurus - sea-anemones - starfish - mollusks and sponge. Also large rock weighing perhaps 2000 lbs.

No. *Hyd. 1060* Date *August 12<sup>th</sup> 1886*  
*Sigsbee* Machine. *2* Reel.

Turns *158* Cor. + *12* Depth *170*

~~Shot or lead~~ *35 lbs.*

Bottom *gy S & Peb.*

Bottom temperature *37.3*

No. of Thermometer *54820* Cor. - *2*

Corrected temperature *37.1*

Air *55* Surface *50* Drift.

Trawl or dredge or tangles *Cur 1/2 Kut S'ly*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.37.15</i>	<i>42.0</i>	0		
<i>38.20</i>	<i>41.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No. *Hyd 1061* Date *August 12<sup>th</sup> 1886**Sigsbee* Machine. *2* Reel.Turns *156* Cor. + *12* Depth *168*~~Shot or lead~~ *35 lbs.*Bottom *gy. S. bk. Sp.*Bottom temperature *36.8*No. of Thermometer *54820* Cor. *-3*Corrected temperature *36.5*Air *55* Surface *51* Drift.Trawl or dredge or tangles *Cu. 1/2 Knt. S. ly*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*5.21.45**26.35**0**23.10**25.30**100**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 111 Date 1/11/01

Tanner Machine. / Reel.

Turns Cor. + Depth /

Shot or lead 25Bottom gy. s. on sp. on sh.Bottom temperature 35.5No. of Thermometer 54820 Cor. - 3Corrected temperature 35.2Air 54 Surface 51 Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *4101* Date *August 13*  
*Tanner* Machine. Reel  
 Turns *103* Cor. + *3* Depth *106*  
 Shot or lead *25 lbs.*  
 Bottom *gy. S. bk. sp.*  
 Bottom temperature *31.8*  
 No. of Thermometer *54820* Cor. - *4*  
 Corrected temperature *32.4*  
 Air *54* Surface *52* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*5.20*  
*12.14.00*  
*14.55*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *111* Date *Aug 11 1882*Machine. *Sigsbee* Reel.Turns *100* Cor. + *1* Depth *101*~~Shot or lead~~ *25 lbs.*Bottom *gy.*Bottom temperature *30.8*No. of Thermometer *54820* Cor. - *4*Corrected temperature *30.4*Air *55* Surface *53* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No. 1115 Date, Aug 13 1880

Tanner Machine. Reel

Turns 60 Cor. + 2 Depth 62

Shot or lead 25 lbs.

Bottom gy. S. &amp;

Bottom temperature 50.5

No. of Thermometer 54820 Cor. - 4

Corrected temperature 30.1

Air 56 Surface 51 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

7.58.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Ky 1066* Date *August 13<sup>th</sup> 1886*  
*Tanner* Machine. — Reel.

Turns *72* Cor. + *2* Depth *74*

~~Shot or lead~~ *25 lbs.*

Bottom *fine gy. bk. sp.*

Bottom temperature *Not given*

No. of Thermometer \_\_\_\_\_ Cor. \_\_\_\_\_

Corrected temperature \_\_\_\_\_

Air *57* Surface *54* Drift.

Trawl or dredge or tangles \_\_\_\_\_

# SOUNDING WIRE.

DOWN.

UP.

TURNS.

# DREDGE ROPE.

DOWN.

UP.

*11 31.00*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
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	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hyd 1067* Date *August 13*  
*Tanner* Machine. — Reel.

Turns *95* Cor. + *3* Depth

~~Shot or lead~~ *25 lbs.*

Bottom *gn. M.*

Bottom temperature *None*

No. of Thermometer Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*2.57.00* *3.00.00*

*58* *58.20*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2698

Date Aug 22nd

Sigsbee Machine. 2 Reel.

Turns 82 Cor. + 8 Depth 90

~~Shot or lead~~ 35 lb

Bottom gy. S. bk. sh. m. s.

Bottom temperature 36  $\frac{2}{7}$ 

No. of Thermometer 54820 Cor. - 3

Corrected temperature 35.9

Air 56 Surface 56 Drift. S. 60

Trawl or dredge or tangles. Large

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
8.00-00		0	8.10.00	19.30
		100	17.00	41.35
		200	20.30	43.00
		300	28.00	8.38.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

4. *Sebastes* - 2 *Sebastes* - 1 *Sebastes*  
Several rocks covered *Bryozoa*  
Sponge Sea anemones *Fura* *Hydroids*  
*Starfish* *Crustaceans*



No. 2647 Date Aug 22  
 Machine. Sigsbee Reel.  
 Turns 66 Cor. 6 Depth 72

Shot or lead 35 lb

Bottom coral

Bottom temperature 32

No. of Thermometer 52726 Cor. -4

Corrected temperature 31.6

Air 58 Surface 55 Drift. 3m-E 5m-S

Trawl or dredge or tangles Long line

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-02-10		0	10-03-30	22.15
45		100	57 10	19.00
		200	11-01-40	15.30
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



No.

2700

Date

Aug 22

Machine.

Reel.

Turns

Cor.

Depth

~~Shot or lead~~

35 lb

Bottom

Bottom temperature

31.2

No. of Thermometer

54826

Cor.

-4

Corrected temperature

30.8

Air

52

Surface

50

Drift.

~~Trawl or dredge or tangles~~

Large Beam

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

1-28.00

0

1-29.00

53.00

100

53.00

150

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



No. *2*Date *Dec 1881**Lupinus* Machine. *2* Reel.Turns *67* Cor. + *7*Depth *74*Shot or lead *35 lb*Bottom *gy S bk sp.*Bottom temperature *71.2*No. of Thermometer *—*Cor. *—*Corrected temperature *—*Air *57*Surface *56*Drift. *2 1/2 E 1/2 S.*Trawl or dredge or tangles *218*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*1-57-30**0**2, 024**35.00**100**05.40**32.30**200**08.30**30.00**300**11.20**27.30**400**14.10**25.00**500**17.00**22.30**600**19.50**20.00**700**22.40**17.30**800**25.30**15.00**900**28.20**12.30**1000**31.10**10.00**1100**34.00**07.30**1200**36.50**05.00**1300**39.40**02.30**1400**42.30**00.00**1500**45.20**57.30**1600**48.10**55.00**1700**51.00**52.30**1800**53.50**50.00**1900**56.40**47.30**2000**59.30**45.00**2100**62.20**42.30**2200**65.10**40.00**2300**68.00**37.30**2400**70.50**35.00*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

1. D. Several sea anemones  
 present.

No. *2102* Date *August 23, 1886**Sigsbee* Machine. *2* Reel.Turns *200* Cor. *15* Depth *215*Shot or lead *35 lbs.*Bottom *gn. M.*Bottom temperature *40.5*No. of Thermometer *54820* Cor. *- 2*Corrected temperature *40.3*Air *61* Surface *58* Drift. *3 mi. S. 1/2 E.*Trawl or dredge or langes *Large 3 m*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>5.16.30</i>	<i>2.3.15</i>	0	<i>5.25.00</i>	<i>x x x x</i>
<i>18.10</i>	<i>21.50</i>	100	<i>29.00</i>	<i>18.00</i>
<i>19.00</i>	<i>5.20.20</i>	200	<i>32.15</i>	<i>15.00</i>
		300	<i>35.20</i>	<i>11.45</i>
		400	<i>38.30</i>	<i>08.30</i>
		<i>450</i>	<i>40.15</i>	<i>05.15</i>
		<i>500</i>	<i>42.00</i>	<i>01.45</i>
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

\* *65 fath. cable 5 min.*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

1. Sample - 10 fathoms, 10 fathoms, 10 fathoms.  
 2. Sample - 10 fathoms, 10 fathoms, 10 fathoms.  
 3. Sample - 10 fathoms, 10 fathoms, 10 fathoms.  
 4. Sample - 10 fathoms, 10 fathoms, 10 fathoms.



No. *111* Date *May 22 1880*Machine. *2* Reel.Turns *210* Cor. + *16* Depth *226*~~Shot or lead~~ *35 lbs.*Bottom *gy. M.*Bottom temperature *40.6*No. of Thermometer *540* Cor. - *2*Corrected temperature *40.4*Air *60* Surface *58* Drift.Trawl or dredge or tangles *N*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*8.55.30* *03.00*

0

*56.50* *9.01.05*

100

*58.15* *59.50*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL-TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1069 Date Aug. 26Machine. 2 Reel.Turns 35 Cor. + 3 Depth 38Shot or lead 35 lbs.Bottom gy. S. & Peb.Bottom temperature 34No. of Thermometer 54120 Cor. - 3Corrected temperature 33.7Air 60 Surface 58 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

11 43.10

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date *Aug 21*Machine. *2* Reel.Turns *11* Cor. + *2* Depth *32*~~Shot or lead~~ *35 lb*Bottom *wh. S. bk. s. bk.*

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air *63* Surface *59* Drift.

Trawl or dredge or tangles.

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*7.33-*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

12110 and 12111 136 Cycles

Shot or lead 35 lbs

Bottom gr. L. bk. sh.

Bottom temperature 42.6

No. of Thermometer 54820 Cor. - .2

Corrected temperature 40.4

Air 65 Surface 65 Drift,  $\frac{1}{2}$  mi.) 1.5 mi.

Trawl or dredge or tangles 1000 Wharr

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.10.30	1.05.30	0	11.50.45	16.30
21.15	21.15	100	35.45	13.15
31.00	31.00	200	51.30	11.00
		300	1.12.45	04.45
		400	2.00.00	15.01. —
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No. *50571* Date *Oct 2 1886*Machine. *C* Reel.Turns *59* Cor. + *4* Depth *63*Shot or lead *35 lbs.*Bottom *gy. S. bk. sp.*Bottom temperature *25.8*No. of Thermometer *54820* Cor. - *.3*Corrected temperature *31.6*Air *67* Surface *62* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*2.44.00*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2* Date *1*

Machine. Reel.

Turns *102* Cor. + *8* Depth *110*~~Shot or lead~~ *35 lbs*Bottom *gy. s. bk. sp.*

Bottom temperature

No. of Thermometer Cor. - *2*Corrected temperature *43.1*Air Surface Drift. *N. 1/2 W. 1/4 mile*

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

2. 1000 fms. / Section 1000 fms.  
 Sea level - 1000 fms. /  
 Sea level - 1000 fms. /  
 Sea level - 1000 fms. /

No. 2705 Date August 24<sup>th</sup> 1886Machine. 2 ReelTurns 1153 Cor. + 82Depth 1235Shot ~~on lead~~ 35 lbsBottom lt. br. O.Bottom temperature 38No. of Thermometer 5412 Cor. - .3Corrected temperature 37.7Air 67 Surface 66 Drift. 2 1/2 miles  
S x E 1/2 E

Trawl or dredge or trawls

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

33.00	03.00	0	9.11.45	
34.00	02.00	100	16.00	04.15
35.15	01.25	200	19.30	01.15
36.30	9.00.30	300	22.30	54.00
37.45	59.45	400	25.20	50.15
40.30	58.55	500	28.40	50.15
42.00	58.00	600	32.30	50.20
43.30	57.05	700	36.30	47.00
45.15	56.05	800	40.30	
46.50	55.00	900	44.30	
48.35	53.50	1000	47.30	
	52.00	1100	50.10	
		1200	52.40	
		1300	55.35	12.00.10
		1400	58.40	50.15
		1500	10.01.30	44.30
		1600	04.10	38.15
		1700	07.40	33.00
		1800	11.00	26.25
		1900	14.00	18.45
		2000	17.20	11.12
		2100		
		2200		
		2300		
		2400		



No. *1072* Date *Aug. 25, 1891*Machine. *Sigsbee* Reel.Turns *1825* Cor. *117* Depth *1942*Shot or-lead *35*Bottom *gy. s. sh.*Bottom temperature *51.2*No. of Thermometer *5122* Cor. *- .3*Corrected temperature *36.9*Air *63* Surface *65* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>8 02.30</i>	<i>47.20</i>	<i>0</i>		
<i>03.20</i>	<i>46.30</i>	<i>100</i>		
<i>04.15</i>	<i>45.45</i>	<i>200</i>		
<i>05.00</i>	<i>45.20</i>	<i>300</i>		
<i>05.55</i>	<i>44.05</i>	<i>400</i>		
<i>06.50</i>	<i>43.15</i>	<i>500</i>		
<i>07.30</i>	<i>42.21</i>	<i>600</i>		
<i>08.15</i>	<i>41.21</i>	<i>700</i>		
<i>09.00</i>	<i>40.25</i>	<i>800</i>		
<i>10.00</i>	<i>39.15</i>	<i>900</i>		
<i>11.00</i>	<i>38.12</i>	<i>1000</i>		
<i>12.10</i>	<i>37.00</i>	<i>1100</i>		
<i>13.20</i>	<i>35.50</i>	<i>1200</i>		
<i>14.30</i>	<i>34.30</i>	<i>1300</i>		
<i>15.40</i>	<i>33.15</i>	<i>1400</i>		
<i>16.50</i>	<i>32.05</i>	<i>1500</i>		
<i>18.30</i>	<i>30.15</i>	<i>1600</i>		
<i>19.50</i>	<i>28.25</i>	<i>1700</i>		
<i>20.05</i>	<i>27.00</i>	<i>1800</i>		
<i>21.30</i>	<i>26.00</i>	<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No. 1173

Date

Sigsbee Machine. 2 Reel.

Turns 1700 Cor. +

Depth

Shot or lead 60

Bottom sh br gy -

Bottom temperature 37

No. of Thermometer 621820 Cor. - .3

Corrected temperature 36.7

Air 63 Surface 65 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
33.00	10.20	0		
34.40	10.40	100		
36.20	11.00	200		
38.10	11.20	300		
39.50	11.40	400		
41.30	11.55	500		
43.10	12.15	600		
44.50	12.30	700		
46.30	12.45	800		
48.10	13.00	900		
49.50	13.15	1000		
51.30	13.30	1100		
53.10	13.45	1200		
54.50	14.00	1300		
56.30	14.15	1400		
58.10	14.30	1500		
59.50	14.45	1600		
61.30	15.00	1700		
63.10	15.15	1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Machine. Reel.

Turns

Cor. +

2

Depth

8

Shot or lead 60 lb

Bottom dk br oz.

Bottom temperature 37.5

No. of Thermometer 21150 Cor. - .5

Corrected temperature 37.2

Air 63 Surface 65 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

10 58.20	36.10	0
59.05	35.30	100
1. 50	34.40	200
11. 00.45	33.55	300
01.35	33.00	400
02.30	32.20	500
03.30	31.25	600
04.25	30.35	700
05.25	29.35	800
06.35	28.35	900
07.30	27.35	1000
08.30	26.35	1100
09.45	25.35	1200
10.55	24.35	1300
		1400
		1500
		1600
11. 25		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Sigsbee Machine. 2 Reel.

Turns 1668 Cor. + 111 Depth 1779

Shot or lead 60 lb

Bottom dk br gy. s. s.

Bottom temperature 37.1

No. of Thermometer 54820 Cor. - .3

Corrected temperature 37.1

Air 64 Surface 65 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
21.40	06.30	0		
22.30	05.45	100		
23.20	05.20	200		
24.10	04.15	300		
25.00	03.25	400		
26.00	02.35	500		
27.00	01.40	600		
28.00	00.25	700		
29.15	59.45	800		
30.40	58.50	900		
31.25	57.50	1000		
32.45	56.50	1100		
33.30	55.30	1200		
34.05	54.20	1300		
34.30	53.00	1400		
35.00	51.40	1500		
35.50	50.49.00	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*W. M. D.*  
567.

No. *1076*  
*Section*

Date

*25-56*

Machine. *2* Reel.

Turns *1652* Cor. + *110* Depth *1762*

Shot or lead *60*

Bottom *dk br oz.*

Bottom temperature *37.2*

No. of Thermometer *54820* Cor. *-3*

Corrected temperature *36.9*

Air *70* Surface *73* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
	<i>27.50</i>	0		
<i>54-20</i>	<i>29.00</i>	100		
<i>55-10</i>	<i>29.20</i>	200		
<i>56-10</i>	<i>27.35</i>	300		
<i>57-10</i>	<i>26.50</i>	400		
<i>58-10</i>	<i>26.00</i>	500		
<i>59-10</i>	<i>25.00</i>	600		
<i>2 00.10</i>	<i>24.00</i>	700		
<i>01-20</i>	<i>23.00</i>	800		
<i>02-25</i>	<i>21.50</i>	900		
<i>03-35</i>	<i>20.50</i>	1000		
<i>04-55</i>	<i>19.35</i>	1100		
<i>05-55</i>	<i>18.20</i>	1200		
<i>07.00</i>	<i>17.00</i>	1300		
<i>08.15</i>	<i>16.00</i>	1400		
<i>09-30</i>	<i>14.55</i>	1500		
<i>10-45</i>	<i>13.35</i>	1600		
<i>11-21.5</i>	<i>12.41.5</i>	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



16-10

567.

No.

1117

Date

9/11

Machine. Reel.

Turns 1532 Cor. + 117 Depth 1741

Shot or lead 60 lbs

Bottom dk br gy.

Bottom temperature 37.2

No. of Thermometer 521820 Cor. - .3

Corrected temperature 36.9

Air 70 Surface 73 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1532	2 3 30	0
1530	53 00	100
1528	2 50	200
1526	3 20	300
1524	4 00	400
1522	4 40	500
1520	5 20	600
1518	6 00	700
1516	6 40	800
1514	7 20	900
1512	8 00	1000
1510	8 40	1100
1508	9 20	1200
1506	10 00	1300
1504	10 40	1400
1502	11 20	1500
1500	12 00	1600
1458	12 40	1700
1456	13 20	1800
1454	14 00	1900
1452	14 40	2000
1450	15 20	2100
1448	16 00	2200
1446	16 40	2300
1444	17 20	2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *11* Date *11*Machine. *2* Reel.Turns *2* Cor. + *2* Depth *201*Shot or lead *60*Bottom *dk. br. G.*Bottom temperature *37.5*No. of Thermometer *54820* Cor. *- 3*Corrected temperature *37.2*Air *70* Surface *72* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>4. 35.00</i>	<i>09.55</i>	<i>0</i>
<i>35.50</i>	<i>09.30</i>	<i>100</i>
<i>36.40</i>	<i>08.50</i>	<i>200</i>
<i>37.30</i>	<i>07.50</i>	<i>300</i>
<i>38.30</i>	<i>07.00</i>	<i>400</i>
<i>39.30</i>	<i>06.20</i>	<i>500</i>
<i>40.25</i>	<i>05.30</i>	<i>600</i>
<i>41.25</i>	<i>04.35</i>	<i>700</i>
<i>42.25</i>	<i>03.35</i>	<i>800</i>
<i>43.25</i>	<i>02.30</i>	<i>900</i>
<i>44.25</i>	<i>01.20</i>	<i>1000</i>
<i>45.30</i>	<i>51.00 30</i>	<i>1100</i>
<i>46.35</i>	<i>50.30</i>	<i>1200</i>
<i>47.40</i>		<i>1300</i>
<i>48.50</i>		<i>1400</i>
<i>50.10</i>	<i>56.00</i>	<i>1500</i>
		<i>1600</i>
		<i>1700</i>
		<i>1800</i>
		<i>1900</i>
		<i>2000</i>
		<i>2100</i>
		<i>2200</i>
		<i>2300</i>
		<i>2400</i>

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1000* Date *August 27 1881**Sigsbee* Machine. *2* Reel.Turns *1872* Cor. + *10* Depth *1082*Shot or lead *60 lbs.*Bottom *dk. br. Gy.*Bottom temperature *37.2*No. of Thermometer *54820* Cor. *-.3*Corrected temperature *36.9*Air *70* Surface *72* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>01.00</i>	<i>36.15</i>	0		
<i>01.50</i>	<i>35.40</i>	100		
<i>03.00</i>	<i>35.00</i>	200		
<i>04.10</i>	<i>34.15</i>	300		
<i>05.25</i>	<i>33.25</i>	400		
<i>06.40</i>	<i>32.35</i>	500		
<i>08.00</i>	<i>31.40</i>	600		
<i>09.10</i>	<i>30.35</i>	700		
<i>10.25</i>	<i>29.30</i>	800		
<i>11.30</i>	<i>28.20</i>	900		
<i>12.35</i>	<i>27.20</i>	1000		
<i>13.45</i>	<i>26.15</i>	1100		
<i>14.55</i>	<i>25.15</i>	1200		
<i>16.05</i>	<i>24.00</i>	1300		
<i>17.20</i>	<i>22.45</i>	1400		
<i>18.35</i>	<i>21.30</i>	1500		
<i>19.30</i>	<i>20.30</i>	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 10 Date August 26 86

Machine. 2 Reel.

Turns 1590 Cor. + 107 Depth 1697

Shot or lead 60 lbs.

Bottom dk. br. O.

Bottom temperature 7

No. of Thermometer Cor. - 3

Corrected temperature 36.9

Air 70 Surface 72 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No. 1031 Date Aug. 25<sup>th</sup>  
 Machine. 2 Reel.  
 Turns 1606 Cor. + 107 Depth 1713  
 Shot or lead 60 lb  
 Bottom lt. br. G. S.  
 Bottom temperature 37.5  
 No. of Thermometer 3 Cor. - .3  
 Corrected temperature 37.2  
 Air 70 Surface 71 Drift.  
 Trawl or dredge or tangles Cum. 2 Kts E

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

9 05	45.40	0
06.50	44.55	100
07.35	44.10	200
08.45	43.15	300
09.45	42.25	400
10.45	41.35	500
11.45	40.45	600
12.45	39.50	700
13.50	38.55	800
14.55	38.00	900
16.00	36.55	1000
17.05	35.45	1100
18.15	34.35	1200
19.30	32.25	1300
21.00	31.15	1400
23.30	30.05	1500
25.30	28.40	1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

2500  
2600  
2700  
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2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2000*, 1082 Date *Aug**Sigsbee* Machine. *2* Reel.Turns *1485* Cor. + *107* Depth *1592*Shot or lead *60 lbs.*Bottom *br. gy. s.*Bottom temperature *37.8*No. of Thermometer *54820* Cor. - *.3*Corrected temperature *37.5*Air *73* Surface *73* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
29.00	06.20	0		
30.10	05.45	100		
31.20	05.00	200		
32.30	04.10	300		
33.40	03.15	400		
34.45	02.15	500		
35.50	01.15	600		
36.50	1.00.15	700		
37.50	59.05	800		
39.00	58.00	900		
40.10	56.50	1000		
41.15	55.40	1100		
42.25	54.25	1200		
43.30	53.15	1300		
44.40	52.00	1400		
45.50	51.00	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1140* 1083 Date *August*:*Sigsbee* Machine. 2 Reel. 1Turns *1518* Cor. + *102* Depth *16*Shot or lead *60 lbs.*Bottom *br. Oz. For.*Bottom temperature *37.5*No. of Thermometer *54120* Cor. *-3*Corrected temperature *37.2*Air *74* Surface *73* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>00.30</i>	<i>41.00</i>	0		
<i>10.20</i>	<i>40.20</i>	100		
<i>11.10</i>	<i>39.25</i>	200		
	<i>39.00</i>	300		
<i>5</i>	<i>38.15</i>	400		
<i>13.40</i>	<i>37.35</i>	500		
<i>14.30</i>	<i>36.50</i>	600		
<i>15.30</i>	<i>35.00</i>	700		
<i>16.40</i>	<i>35.00</i>	800		
<i>17.50</i>	<i>34.00</i>	900		
	<i>33.00</i>	1000		
<i>20.15</i>	<i>32.00</i>	1100		
<i>21.30</i>	<i>30.45</i>	1200		
<i>50</i>	<i>29.30</i>	1300		
<i>24.10</i>	<i>28.15</i>	1400		
<i>25.40</i>	<i>2.27.00</i>	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1081* Date *August 26 '86**Sigsbee* Machine. *2* Reel.Turns *1592* Cor. + *107* Depth *160*Shot or lead *60*Bottom *br. C. J.*Bottom temperature *37.5*No. of Thermometer Cor. *- .3*Corrected temperature *37.2*Air *74* Surface *74* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>31 45</i>	<i>08.50</i>	0
	<i>08.05</i>	100
	<i>07.25</i>	200
	<i>06.4</i>	300
	<i>05.55</i>	400
	<i>05.15</i>	500
	<i>04.15</i>	600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No. 105 Date Aug 16Sigsbee Machine. 2 Reel.Turns 1693 Cor. + 11 Depth 1805Shot or lead 60 lb.Bottom br. Oz. Fir.Bottom temperature 37No. of Thermometer 54200 Cor. - 3Corrected temperature 36.7Air 71 Surface - Drift.Trawl or dredge or tangles No current

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
4 59 20	38.05	0		
5 00 15	37.15	100		
01 15	36.30	200		
02.15	35.41	300		
03.15	35.00	400		
04.25	34.15	500		
05.35	33.20	600		
06.50	32.30	700		
08.05	31.30	800		
09.25	30.35	900		
10.40	29.35	1000		
12.00	28.30	1100		
13.25	27.25	1200		
14.45	26.20	1300		
16.05	25.10	1400		
17.25	24.00	1500		
18.45	22.45	1600		
20.30	21.30	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *171* Date *Aug. 26 1886**Sigsbee* Machine. Reel.Turns *171* Cor. + *11* Depth *182*Shot ~~or lead~~ *60 lbs.*Bottom *br. gy. s.*Bottom temperature *37*No. of Thermometer *54227* Cor. *- .3*Corrected temperature *36.7*Air *74* Surface *73* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>6 26.30</i>	<i>15.25</i>	0
<i>27.00</i>	<i>14.30</i>	100
<i>28.00</i>	<i>13.35</i>	200
<i>29.25</i>	<i>12.40</i>	300
<i>30.00</i>	<i>11.45</i>	400
<i>31.00</i>	<i>10.50</i>	500
<i>32.20</i>	<i>9.55</i>	600
<i>33.00</i>	<i>8.55</i>	700
<i>34.00</i>	<i>7.55</i>	800
<i>35.45</i>	<i>6.55</i>	900
<i>36.00</i>	<i>5.55</i>	1000
<i>38.15</i>	<i>4.55</i>	1100
<i>39.00</i>	<i>3.55</i>	1200
<i>40.00</i>	<i>2.55</i>	1300
<i>41.00</i>	<i>1.55</i>	1400
<i>42.00</i>	<i>0.55</i>	1500
<i>43.00</i>	<i>0.00</i>	1600
<i>45.00</i>	<i>0.00</i>	1700
<i>46.00</i>	<i>0.00</i>	1800
		1900
		2000
		2100
		2200
		2300
		2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

11411

9765

No. 107

Date Aug 21

Sigsbee Machine. 2 Reel.

Turns 765 Cor. + 115 Depth

Shot or lead 60 lb

Bottom sh. br. Gz.

Bottom temperature 87

No. of Thermometer 57120 Cor. - 3

Corrected temperature 31.7

Air 70 Surface 73 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

81.29.50	09.00	0
31.21.5	05	100
31.21.5	07.30	200
31.21.5	06.55	300
33.40	06.00	400
31.21.5	05.10	500
31.21.5	04.15	600
36.50	03.15	700
38.20	02.25	800
38.20	01.2	900
38.20	00.2	1000
38.20	00.2	1100
38.20	00.2	1200
38.20	00.2	1300
38.20	00.2	1400
38.20	00.2	1500
38.20	00.2	1600
38.20	00.2	1700
38.20	00.2	1800
38.20	00.2	1900
38.20	00.2	2000
38.20	00.2	2100
38.20	00.2	2200
38.20	00.2	2300
38.20	00.2	2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *3* Date *Oct 25 '86*Machine. *S* Reel.Turns *1100* Cor. *+* Depth *1100*Shot or lead *60 lbs.*Bottom *lt. br. G. for.*Bottom temperature *37*No. of Thermometer *52* Cor. *- .3*Corrected temperature *36.7*Air *67* Surface *72* Drift.Trawl or dredge or tangles *None*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>12.26.00</i>	<i>11.00</i>	0		
<i>27.00</i>	<i>10.20</i>	100		
<i>28.—</i>	<i>09.40</i>	200		
<i>29.—</i>	<i>09.00</i>	300		
<i>30.—</i>	<i>08.20</i>	400		
<i>31.—</i>	<i>07.40</i>	500		
<i>32.—</i>	<i>07.00</i>	600		
<i>33.—</i>	<i>06.20</i>	700		
<i>34.—</i>	<i>05.40</i>	800		
<i>35.—</i>	<i>05.00</i>	900		
<i>36.—</i>	<i>04.20</i>	1000		
<i>37.—</i>	<i>03.40</i>	1100		
<i>38.—</i>	<i>03.00</i>	1200		
<i>39.—</i>	<i>02.20</i>	1300		
<i>40.—</i>	<i>01.40</i>	1400		
<i>41.—</i>	<i>01.00</i>	1500		
<i>42.—</i>	<i>00.20</i>	1600		
<i>43.—</i>	<i>59.40</i>	1700		
<i>44.—</i>	<i>58.50</i>	1800		
<i>45.—</i>	<i>58.00</i>	1900		
<i>46.—</i>	<i>57.10</i>	2000		
<i>47.—</i>	<i>56.20</i>	2100		
<i>48.—</i>	<i>55.30</i>	2200		
<i>49.—</i>	<i>54.40</i>	2300		
<i>50.—</i>	<i>53.50</i>	2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. *1009* Date *June 2, 1882*

Machine. Reel.

Turns *1009* Cor. *1* Depth *1009*Shot or lead *60*Bottom *—*Bottom temperature *—*No. of Thermometer *—* Cor. *—*Corrected temperature *—*Air *—* Surface *—* Drift.Trawl or dredge or tangles *W. M. 2, 1*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>11.10. —</i>	<i>Shlice</i>	0		
<i>11. —</i>	<i>to mid</i>	100		
<i>12. —</i>	<i>into at</i>	200		
<i>13. —</i>	<i>800 ft</i>	300		
<i>14. —</i>	<i>54820</i>	400		
<i>23. 15</i>	<i>Shlice</i>	500		
<i>24. 20</i>	<i>to mid</i>	600		
<i>25. 35</i>	<i>into at</i>	700		
<i>26. 45</i>	<i>45.00</i>	800		
<i>27. 55</i>	<i>44.30</i>	900		
<i>28. —</i>	<i>44. —</i>	1000		
<i>30. 15</i>	<i>43.20</i>	1100		
<i>31. 45</i>	<i>42.40</i>	1200		
<i>33. 10</i>	<i>41.25</i>	1300		
<i>34. 35</i>	<i>40.40</i>	1400		
<i>36. —</i>	<i>40. —</i>	1500		
<i>37. 15</i>	<i>4.39. —</i>	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2706* Date *11/1/06*Machine. *2* Reel.Turns *1116* Cor. *+* Depth *1116*Shot or lead *60 lbs.*Bottom *fine sand*

Bottom temperature

No. of Thermometer *54* Cor. *- .3*Corrected temperature *38.2*Air *62* Surface *71* Drift. *1 1/2* *8*

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>1</i>	<i>11.00</i>		0	<i>9</i>	<i>33.30</i>	<i>44.00</i>
	<i>10.50</i>		100			<i>40.15</i>
<i>45</i>	<i>11.15</i>		200	<i>41.30</i>	<i>37.00</i>	
	<i>10.50</i>		300	<i>45.00</i>	<i>34.00</i>	
	<i>10.30</i>		400	<i>47.50</i>	<i>31.00</i>	
	<i>10.15</i>		500	<i>50.00</i>	<i>28.00</i>	
	<i>10.00</i>		600	<i>52.50</i>	<i>25.00</i>	
<i>55</i>	<i>9.50</i>		700	<i>55.50</i>	<i>21.00</i>	
	<i>9.30</i>		800	<i>58.15</i>	<i>18.00</i>	
	<i>9.15</i>		900	<i>61.00</i>	<i>15.00</i>	
<i>100</i>	<i>9.00</i>		1000	<i>64.15</i>	<i>11.15</i>	
	<i>8.45</i>		1100	<i>67.00</i>	<i>8.00</i>	
<i>110</i>	<i>8.30</i>		1200	<i>70.00</i>	<i>5.00</i>	
	<i>8.15</i>		1300	<i>73.00</i>	<i>2.00</i>	
	<i>8.00</i>		1400	<i>76.00</i>	<i>0.00</i>	
	<i>7.45</i>		1500	<i>79.00</i>		
	<i>7.30</i>		1600	<i>82.00</i>		
	<i>7.15</i>		1700	<i>85.00</i>		
	<i>7.00</i>		1800	<i>88.00</i>		
	<i>6.45</i>		1900	<i>91.00</i>		
	<i>6.30</i>		2000	<i>94.00</i>		
	<i>6.15</i>		2100	<i>97.00</i>		
	<i>6.00</i>		2200	<i>100.00</i>		
	<i>5.45</i>		2300	<i>103.00</i>		
	<i>5.30</i>		2400	<i>106.00</i>		

Same as surface water & surface  
 temperature.

2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

6 Blue Mackerel 2 Mackerels  
 9 Longfin mackerel 1 King Mackerel  
 100 Yellowtail Kingfish 100 Yellowtail Kingfish  
 1000 Yellowtail Kingfish 1000 Yellowtail Kingfish  
 Mollusks in abundance & Crustaceans  
 & several species fish taken on surface

No. 2707Date Jan 31 1881Sigsbee Machine. 2 Reel.Turns 1041 Cor. + 58 Depth 1099Shot or lead 35 lbBottom For.Bottom temperature 52.5No. of Thermometer 54822 Cor. 0.5Corrected temperature 38.5Air 57 Surface 71 Drift 1/2 mi - 8/10 x 10Trawl or dredge or tangles 2

Leads 2100

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.35.00	14.45	0	2.21.5	
2.00.00	13.50	100	26.50	21.5
39.20	13.10	200	28.50	20
4.00.00	12.39	300	31.15	17
42.00	11.45	400	34.15	15.00
43.20	10.50	500	36.50	12.25
44.00	10.00	600	40.00	10.00
46.15	09.05	700	44.50	07.15
47.00	08.10	800	4.50	05.00
2.00.15	07.10	900	52.10	
48.00	06.00	1000	55.00	
		1100	59.05	55.05
		1200	3.02.40	52.10
		1300	06.10	49.15
		1400	09.05	46.15
		1500	12.30	42.45
		1600	15.55	38.40
		1700	19.00	34.00
		1800	30.30	4-30.00
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Tide gauge  
 surface tide  
 averaging.

2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

12

No. 2738 Date July 1, 1881  
*Sigsbee* Machine. Reel.  
 Turns 926 Cor. + 5 Depth 7  
~~Shot or lead~~ 55 lbs.  
 Bottom br. lg.  
 Bottom temperature 38.8  
 No. of Thermometer 54822 Cor. - .3  
 Corrected temperature 38.5  
 Air 72 Surface 73 Drift, 1 221 - 111.11  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>1-112</u>	<u>7-54.20</u>	0	<u>1-22.21</u>	
<u>1-22.21</u>	<u>7-53.20</u>	100	<u>1-22.21</u>	
<u>44-20</u>	<u>7-02.35</u>	200	<u>1-22.21</u>	
<u>45-20</u>	<u>7-01-40</u>	300	<u>1-22.21</u>	
<u>46-20</u>	<u>7-00.40</u>	400	<u>1-22.21</u>	
<u>47-40</u>	<u>6-59.40</u>	500	<u>1-22.21</u>	
<u>48-55</u>	<u>6-58.35</u>	600	<u>1-22.21</u>	
<u>50-10</u>	<u>6-57-30</u>	700	<u>1-22.21</u>	
<u>51-45</u>	<u>6-56-15</u>	800	<u>1-22.21</u>	
<u>52-30</u>	<u>6-55-10</u>	900	<u>1-22.21</u>	
		1000	<u>41.00</u>	
		1100	<u>44.25</u>	
		1200	<u>47.40</u>	
		1300	<u>51.00</u>	
		1400	<u>54.00</u>	
		1500	<u>58.00</u>	
		1600	<u>8.00.00</u>	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1. 6 fathoms not taken

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



567. *J. M. D.*

29<sup>00</sup>  
8<sup>17</sup>  
208<sup>3</sup>

No. *17119*

Date *Aug 28 1901*

Machine. *W* Reel.

Turns *577* Cor. + Depth

~~Shot or lead~~ *35 lb*

Bottom *br-M.*

Bottom temperature *38.5*

No. of Thermometer *22* Cor. *-3*

Corrected temperature *38.5*

Air *74* Surface *74* Drift.

Trawl or dredge or tangles *L-13; 14*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100	<i>38.00</i>	
<i>27. 36</i>	<i>412. 40</i>	200	<i>0. 5</i>	
<i>25. 45</i>	<i>411. 35</i>	300		
	<i>10</i>	400		
		500	<i>07 30</i>	
	<i>38. 40</i>	600		
	<i>37. 30</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600	<i>10. 41</i>	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	1.4
	2700	
	2800	
	2900	
	3000	1.2
	3100	1.1
	3200	1.0
1.0	3300	0.9
1.0	3400	0.8
1.0	3500	0.7
1.0	3600	0.6
1.0	3700	0.5
1.0	3800	0.4
1.0	3900	0.3
1.0	4000	0.2

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

57

2961  
777

567. *Allen*

No. *110*

Date

*Sigsbee* Machine. *2* Reel.

Turns *35* Cor. *+ 3* Depth

Shot or lead *35 lb*

Bottom *gn M*

Bottom temperature *38.1*

No. of Thermometer *5518 2 2* Cor. *- 3*

Corrected temperature *38.5*

Air *15* Surface *72* Drift.

Trawl or dredge or tangles *10' 10' 10'*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>2.11</i>	<i>3.11</i>
		100		<i>5.45</i>
		200		<i>5.52</i>
		300		<i>5.58</i>
		400		<i>5.00.30</i>
		500		<i>5.01.30</i>
		600		<i>5.03.00</i>
		700		<i>5.04.30</i>
		800		<i>5.06.00</i>
		900		<i>5.07.30</i>
		1000		<i>5.09.00</i>
		1100		<i>5.10.30</i>
		1200	<i>2.11</i>	<i>5.12.00</i>
		1300		<i>5.13.30</i>
		1400		<i>5.15.00</i>
		1500		<i>5.16.30</i>
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400	<i>Stranded lead 2700</i>	

.1000

## COR. TEMP.

1000

12. *Scaphognathus* Les. 1. *Macurus* Sars.  
2. *Lycaeus* 2. *Stomatopoda*  
Ophiurans in numbers. *Scorpaenidae* 1.  
Mollusca. 1. Crustacea -

No. 2711 Date Sept. 16" 86  
Sigsbee Machine. 2 Reel.

Turns 1433 Cor. + 111

Depth 1544

Shot or lead 35 lb

Bottom Glob. O.

Bottom temperature 37.5

No. of Thermometer 54827 Cor. .5

Corrected temperature 36.7

Air 77 Surface 78.1 Drift. / 1.1

Trawl or dredge or tangles Go, B.

Ketchikan Alaska

# SOUNDING WIRE.

# DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
2 56.30	33.50	0	3 40.00	
57.40	33.00	100	47.20	
58.00	32.15	200	51.00	
3 00.15	31.30	300	53.50	
01.45	30.40	400	56.45	
02.15	29.45	500	58.10	
04.30	28.50	600		
05.45	27.50	700	01.25	
08.15	26.45	800	10.15	18.20
09.45	25.40	900	13.30	15.10
11.00	24.30	1000	16.30	11.50
12.25	23.30	1100		
14.30	22.20	1200	25.00	05.00
15.25	21.05	1300	28.30	7.01-15
17.30	3.20.00	1400	32.35	58.30
		1500		
		1600		
		1700		
		1800		
		1900		
		2000	06.00	35.40
		2100	10.15	31.20
		2200	10.20	27.10
		2300	20.10	6-21-30
		2400		



No. *2712* Date *Sept. 17<sup>th</sup> 1886**Sigsbee* Machine. *2* Reel.Turns *1732* Cor. + *129* Depth *1861*Shot or lead *35 lb*Bottom *ck. br. s.*Bottom temperature *36.1*No. of Thermometer *54822* Cor. *-.5*Corrected temperature *36.2*Air *76* Surface *75* Drift. *1 mi. west*Trawl or dredge or tangles *2 long lines*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>4.10</i>		0	<i>5.49.15</i>	<i>24.3.8</i>
<i>36.15</i>	<i>20.25</i>	100	<i>52.30</i>	<i>21.20</i>
<i>37.35</i>		200	<i>55.15</i>	
<i>38.55</i>	<i>19.55</i>	300	<i>57.50</i>	<i>18.45</i>
<i>40.20</i>	<i>19.05</i>	400	<i>6.00.50</i>	<i>18.00</i>
<i>41.35</i>	<i>17.55</i>	500	<i>04.00</i>	<i>10.00</i>
<i>43.45</i>	<i>16.20</i>	600	<i>07.50</i>	<i>06.50</i>
<i>45.10</i>	<i>15.25</i>	700	<i>11.40</i>	<i>03.45</i>
<i>47.00</i>	<i>14.15</i>	800	<i>15.25</i>	<i>10</i>
<i>48.55</i>	<i>13.25</i>	900	<i>19.15</i>	
<i>50.50</i>	<i>12.25</i>	1000	<i>22.45</i>	<i>5.5.30</i>
<i>51.40</i>	<i>11.20</i>	1100	<i>25.50</i>	<i>50.00</i>
<i>53.10</i>	<i>10.10</i>	1200	<i>29.20</i>	<i>46.25</i>
<i>54.55</i>		1300	<i>32.40</i>	
<i>56.50</i>	<i>09.00</i>	1400	<i>37.45</i>	<i>38.40</i>
<i>58.50</i>	<i>06.50</i>	1500	<i>42.30</i>	<i>35.00</i>
<i>60.50</i>	<i>05.35</i>	1600	<i>46.50</i>	<i>30.30</i>
<i>62.50</i>	<i>04.00</i>	1700	<i>50.10</i>	
		1800	<i>54.20</i>	
		1900	<i>57.30</i>	
		2000	<i>7.01.15</i>	
		2100	<i>7.05.45</i>	<i>11.00</i>
		2200	<i>10.10</i>	
		2300	<i>14.00</i>	
		2400	<i>17.15</i>	

20.45	55.05	2500
24.25	50.35	2600
28.00	46.25	2700
31.40	41.00	2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

Two bottles of *Sargassum*  
 6 *Dolphins* 1 *Shark* & 1 *Sea* *off*  
*from* *surface*



No.

Date *Dec*

Machine.

Reel.

Turns *113* Cor. *+*

Depth

Shot or lead *35 lb*Bottom *sh br os*Bottom temperature *36.1*No. of Thermometer *54822* Cor. *-0.5*Corrected temperature *36.3*Air Surface *5* Drift. *2 m. 7.25*

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

*11-30* *10-50*

100

*11-40* *4-02.20*

200

*2-11*

300

*2-25*

400

*3-00*

500

*3-17*

600

*4-00*

700

800

900

*3-30*

1000

1100

1200

1300

1400

1500

*12-10* *1-11.35**1-11.35*

1600

1700

1800

1900

2000

2100

2200

2300

2400

*2-11.35*

12,000-25	22.20	2500	
57.10	1.00	2600	
1-00-00	1.00	2700	
05-00	1.00	2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

*G. Macrurus* 20 per. *Z. Macrurus* 10 per.  
*Merluccius* 10 per. *Gadus* 1 *Engraulis* 10 per.  
 Red shrimp, Crabs, Hermit with Sea 2 per.  
 Umbrella, Molluscs, Ascidians, Cnidarians.

No. 2714 Date Sept. 17th. 1886.Machine. 2 Reel.Turns 1825 Cor. + 127Depth 1825Shot or lead 35 lbs.Bottom lt. br. Oz.Bottom temperature Not takenNo. of Thermometer 54822 Cor.

Corrected temperature

Air 0Surface 78Drift. 1 1/2 miles S WTrawl or dredge or tangles La

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
0		0	4.58.45	
10		100	5.13.25	43.05
20		200	6.27.55	38.05
30		300	10.50	33.50
40		400	12.30	29.15
50		500	10.30	25.00
60		600	12.05	20.55
70		700	23.50	16.45
80		800	27.15	12.50
90		900	31.20	08.40
100		1000	35.15	05.15
110		1100	38.45	9.01.40
120		1200	42.30	57.50
130		1300	46.35	53.50
140		1400	50.30	50.00
150		1500	54.45	45.45
160		1600	59.45	40.45
170		1700	7.02.00	35.50
180		1800	06.30	30.45
190		1900	10.15	24.30
200		2000	14.00	17.30
210		2100	17.30	11.45
220		2200	21.00	06.15
230		2300	24.50	59.00
240		2400	28.45	52.00

6.30.00	142.0	2500
3.1.50	141.45	2600
4.1.10	141.45	2700
4.1.40	7.31.00	2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

15 thermos. at 1000  
 2 Cylindrical & 1 Star. Sph. 1000  
 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000. 1000.

No.

5

Date

Sept. 11 / 1886

Machine. 2 Reel.

Turns 1630 Cor. + 123' Depth 1753

Shot or lead 35 lb

Bottom bl-br OB

Bottom temperature 37

No. of Thermometer 54822 Cor. -2'

Corrected temperature 36.6

Air 75

Surface

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



No. 2716 Date Sept. 18th.

Machine. Reel.

Turns 115 Cor. 115 Depth 31Shot or lead 35 lbs.Bottom br. Gy. For.Bottom temperature 55No. of Thermometer 5 Cor. -5Corrected temperature 36.5Air 55 Surface 55 Drift. 2 m. 1. 1.Trawl or dredge or tangles 10 m. 1. 1.

## SOUNDING WIRE.

DOWN.	UP.
11.04.15	13.45
08.00	10.15
11.30	06.55
12.25	03.25
15.15	01.15
29.10	54.00
31.30	52.20
32.45	51.30
34.00	50.30
35.20	49.30
10.04.15	10.04.15

## TURNS.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

## DREDGE ROPE.

DOWN.	UP.
11.04.15	13.45
08.00	10.15
11.30	06.55
12.25	03.25
15.15	01.15
20.30	56.20
27.40	49.00
30.30	45.20
33.50	41.35
37.10	38.10
39.15	11.45
12.03.10	07.10
12.07.10	2.03.00
12.11.20	50.00
12.15.45	53.45
18.50	48.10
21.30	42.00
24.00	36.40
27.30	1.32.10

	2500	12.31.30	1.28.00
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

15 *Macrurus super* 1. *Macrurus* for  
 1 *Borealis* ?  
 Red shrimp. *Mollusca* Gold band  
 coral 1 sp.



No. 3717 Date . Oct. 17 1882.

Machine. 2. Reel.

Turns 1500 Cor. 115 Depth 1615

Shot or lead 35 lbs.

Bottom br. Oz.

Bottom temperature 37.2

No. of Thermometer 5422 Cor. - .5

Corrected temperature 36.7

Air 75 Surface 75 Drift. / m. NW

Trawl or dredge or tangles J. L. L.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1.00

1.00.55

0

1.00.50

32.00

1.10

1.01.15

100

1.01.00

28.00

1.20

1.01.40

200

1.00.50

24.00

1.30

1.02.00

300

03.50

19.40

1.40

1.02.30

400

4.17.45

15.40

1.50

1.03.00

500

11.25

12.30

2.00

1.03.30

600

15.00

09.15

2.10

1.04.00

700

18.50

05.15

2.20

1.04.30

800

23.35

01.15

2.30

1.05.00

900

28.05

56.35

2.40

1.05.30

1000

32.25

53.25

2.50

1.06.00

1100

36.20

48.30

3.00

1.06.30

1200

39.50

44.30

3.10

1.07.00

1300

43.15

40.30

3.20

1.07.30

1400

46.30

36.25

3.30

1.08.00

1500

50.20

32.20

3.40

1.08.30

1600

53.00

28.10

3.50

1.09.00

1700

55.30

24.10

4.00

1.09.30

1800

58.00

20.15

4.10

1.10.00

1900

60.00

16.00

4.20

1.10.30

2000

62.00

12.10

4.30

1.11.00

2100

64.00

09.15

4.40

1.11.30

2200

19.05

02.10

4.50

1.12.00

2300

24.50

57.50

5.00

1.12.30

2400

29.20

53.15

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

33.45 6.48.00

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

3 *Proctonotus*. 1 *Stomatopoda*.  
1 *Stomatopoda*. 1 *Decapod*.  
6 *Cyclopterus luciae*. 3 *Scorpaenidae*.  
Red Shrimp.

No. 2718 Date Sept. 19th. 1885Machine. S. Reel.Turns 1457 Cor. + 112Depth 1569Shot or lead 35 lbs.Bottom br. Oz.Bottom temperature 3No. of Thermometer 54822 Cor. -.5Corrected temperature 36.5Air 72 Surface 75 Drift. 2 miles N.N.WTrawl or dredge or tangles Large Crinoid

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

25.25.0025.00

0

5.38. —08.0525.0525.05

100

42.2004.3525.1025.10

200

46.3010.01.3025.1525.15

300

51.0058.1525.2025.20

400

55.3054.5525.2525.25

500

6.00.1551.2525.3025.30

600

03.4547.5025.3525.35

700

07.3044.2025.4025.40

800

11.1541.0025.4525.45

900

14.4537.3025.5025.50

1000

18.4534.0025.5525.55

1100

22.3030.2026.0026.00

1200

27.3026.3526.0526.05

1300

31.4522.4526.1026.10

1400

36.0018.4526.1526.15

1500

40.2014.3026.2026.20

1600

44.4510.1526.2526.25

1700

49.1506.2526.3026.30

1800

53.3502.2526.3526.35

1900

58.2058.2026.4026.40

2000

7.11.1054.2526.4526.45

2100

05.4050.2526.5026.50

2200

11.1546.2026.5526.55

2300

20.4041.4527.0027.00

2400

30.408.36.00

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## -REMARKS.

10 Macrurus asper, 1 Macrurus  
 1 Holothurion - 12 Cystodonta, 1  
 3 Berytidae - 1 Stomatopoda  
 Nereis, Achiates grandis & red  
 shrimp -

No. 2710 Date Sept. 19<sup>th</sup> 1886  
 Sigsbee Machine. 2 Reel.

Turns 1425 Cor. + 111 Depth 1536

Shot or Lead 35

Bottom gy. O.

Bottom temperature 37.1

No. of Thermometer 54822 Cor. - .5

Corrected temperature 36.6

Air 77 Surface 75 Drift. 1/2 mile NW

Trawl or dredge or tangles Beam

## SOUNDING WIRE.

DOWN.	UP.	TURNS.
10 38.10	10.40	0
39 10	09.53	100
41.15	09.10	200
41.15	08.25	300
42.30	07.40	400
43.55	06.50	500
45.15	06.00	600
46.25	05.05	700
47.40	04.12	800
48.55	03.15	900
50.10	02.15	1000
51.40	01.15	1100
53.00	11.00.15	1200
54.30	59.10	1300
56.00	58.00	1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

## DREDGE ROPE.

DOWN.	UP.
11.13.00	13.30
16.25	10.10
20.30	07.10
24.45	04.05
28.00	3 01.00
31.05	57.25
34.15	53.55
37.25	50.40
40.35	47.25
44.10	44.15
47.50	40.55
51.40	37.25
55.30	33.55
59.20	30.20
12.02.50	27.05
06.20	23.40
09.55	20.15
13.40	16.50
17.15	13.20
21.00	09.50
24.50	06.15
28.50	2.02.30
32.35	58.30
36.40	54.00
40.30	48.30

Saw a large turtle near the ship

	2500	48.15	1.43.30
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

#### SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

12 Cyclopterus Lucina  
2 Stromatolite

No. *2720* Date *Sept. 19<sup>th</sup> 1886*  
*Sigsbee* Machine. *2* Reel.

Turns *1400* Cor. + *109* Depth *1509*

Shot ~~or lead~~ *35*

Bottom *gy. G.*

Bottom temperature *37.5*

No. of Thermometer *54822* Cor. *- .5*

Corrected temperature *37.0*

Air *76* Surface *75* Drift. *2. N E x N*

Trawl or dredge or tangles *Large Beam*

Down. *1 1/2* fms NW (mag)

SOUNDING WIRE.			DREDGE ROPE.		
DOWN.	UP.	TURNS.	DOWN.	UP.	
<i>3.16.10</i>	<i>49.20</i>	0	<i>3.54.00</i>	<i>7.02.00</i>	
<i>17.15</i>	<i>48.15</i>	100	<i>57.30</i>	<i>5.20.00</i>	
<i>18.25</i>	<i>47.30</i>	200	<i>4.00.10</i>	<i>4.00.00</i>	
<i>19.35</i>	<i>46.45</i>	300	<i>5.20.10</i>	<i>3.00.00</i>	
<i>20.40</i>	<i>46.00</i>	400	<i>5.30.10</i>	<i>2.10.00</i>	
<i>21.55</i>	<i>45.10</i>	500	<i>5.40.10</i>	<i>1.20.00</i>	
<i>23.00</i>	<i>44.20</i>	600	<i>11.25</i>	<i>3.40.00</i>	
<i>24.15</i>	<i>43.25</i>	700	<i>14.25</i>	<i>3.00.00</i>	
<i>25.35</i>	<i>42.30</i>	800	<i>16.40</i>	<i>2.20.30</i>	
<i>26.50</i>	<i>41.30</i>	900	<i>20.00</i>	<i>1.40.00</i>	
<i>28.15</i>	<i>40.30</i>	1000	<i>23.50</i>	<i>1.00.00</i>	
<i>29.30</i>	<i>39.30</i>	1100	<i>27.20</i>	<i>0.20.00</i>	
<i>31.25</i>	<i>38.25</i>	1200	<i>30.30</i>	<i>12.00</i>	
<i>33.05</i>	<i>37.15</i>	1300	<i>33.50</i>	<i>07.10</i>	
<i>34.50</i>	<i>36.00</i>	1400	<i>37.00</i>	<i>04.00</i>	
		1500	<i>40.15</i>	<i>7.00.00</i>	
		1600	<i>43.30</i>	<i>57.00</i>	
		1700	<i>47.00</i>	<i>53.00</i>	
		1800	<i>51.30</i>	<i>49.00</i>	
		1900	<i>55.00</i>	<i>44.50</i>	
		2000	<i>58.30</i>	<i>40.30</i>	
		2100	<i>02.10</i>	<i>35.50</i>	
		2200	<i>05.45</i>	<i>32.00</i>	
		2300	<i>09.30</i>	<i>27.40</i>	
		2400	<i>13.00</i>	<i>23.00</i>	

	2500	1000	6-12-00
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			3.5	
50			5.1	
100			4.2	
200		481	2.1	
300			1.6	
400			1.2	
500		492	5.0	
600		1	1.8	
700			2.0	
800			1.0	
900			0.0	
1000				

# REMARKS.

*L. Cyathophora, lucida*  
 1. These species allied to *gambusia*  
 46. *Stenotaphrum secundatum* on  
 surface to electric light



No. 2721 Date Sept. 20 1886Machine. Sigsbee Reel.Turns 750 Cor. + 63 Depth 813Shot or lead 35Bottom gy. Cy.Bottom temperature 38.2No. of Thermometer 54522 Cor. - .5Corrected temperature 37.7Air 76 Surface 74 Drift. 1 m NW.Trawl or dredge or trawler Large Beam

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
4.53.30	16.20	0	6.02.00	
55.10	15.30	100	06.20	
56.20	14.45	200	09.00	38.00
	14.00	300	12.30	32.15
	13.15	400	16.20	
5.10.30	12.20	500	19.25	18.45
5.12.15	11.30	600	22.50	11.00
14.15	10.30	700	26.00	8.00.00
15.50	06.30	800	29.50	53.20
		900	33.25	47.25
		1000	36.00	46.25
		1100	40.00	46.00
		1200	43.45	36.20
		1300	47.10	32.45
		1400	50.40	28.20
		1500	54.30	24.30
		1600	58.15	7.18.00
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

160 Macrurus laevis. 36 Blue fish.  
 1 Pole fish. 1 Cottunculus  
 1 Stomatopoda  
 2 Scud. 3 Haptella. 2 Phoronidea  
 Holothurian. Nereis - Annelids

207  
153  
50

~~Trawl or dredge or tangles~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
	10.50	100	1-33.00	32.00
	21.00	200	2-11.00	24.45
57.30	08.50	300	2-40.00	20.45
	19.00	400	2-59.00	17.10
	29.00	500	3-18.00	13.15
01	39.00	600	3-37.00	
		700	3-57-10	04.20
		800	4-01-55	12.00
		900	4-21.00	08.30
		1000	4-40.30	05.00
		1100	4-59.00	11.00
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

150 Macrurus, larval, 20 Puerulus  
 3 Pole flounders, 4 dog fish.  
 1 Cottunculus, 1 Caprellid,  
 1 Pterygid. 1st Mol. rock shrimp  
 3 Gammar. Shrimp, 1st Mol. Gammar.  
 Nototheniidae, Gammaridae, Pteropoda

No. 22 Date (X) October 23 1880.

Sigsbee Machine. 2 Reel.

Turns 1066 Cor. 119 Depth 1685

Shot or lead 35 lbs.

Bottom gy. (s) S. s.

Bottom temperature did not register

No. of Thermometer 24822 Cor.

Corrected temperature

Air 64 Surface 67 Drift. 1/2 W 1/2 N

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
0		0	5.42.00	19.50
100	21.30	100	115.20	15.50
200	22.00	200	140.10	12.15
300	23.15	300	152.15	08.45
400	24.30	400	153.30	05.15
500	25.40	500	5.00.25	10.01.30
600	26.46	600	03.30	57.45
700	27.50	700	05.30	53.55
800	29.35	800	10.00	49.30
900	30.35	900	11.10	45.45
1000	31.25	1000	11.40	41.35
1100	32.30	1100	22.00	37.30
1200	33.25	1200	23.10	33.15
1300	34.15	1300	31.00	28.45
1400	35.00	1400	35.15	17.05
1500	09.00	1500	40.40	13.00
1600	10.15	1600	45.05	08.45
		1700	49.30	04.40
		1800	54.00	9.00.30
		1900	55.20	56.30
		2000	7.02.45	52.00
		2100	06.00	47.50
		2200		43.45
		2300	13.20	39.00
		2400	18.00	34.00

1. *Hydrophilus piceus* - all specimens

2500	10.00	8.25
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS,

The above-mentioned - 7th  
 December - 1896. The  
 following are the names of the  
 members of the committee.

No. 2724 Date October 23-1886

Machine. 2 Reel.

Turns 1525 Cor. 116 Depth 1641

Shot or lead 35 lbs.

Bottom gy. Co. Sgr.

Bottom temperature 36.9

No. of Thermometer 54822 Cor. -6

Corrected temperature 36.3

Air 69 Surface 68 Drift 2 1/2 mi WSW

Trawl or dredge or tangles Large 13 arm

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
10.56.00	32.40	0	12.02.30	40.30
57.00	31.50	100	07.30	40.00
58.00	31.10	200	12.15	40.00
59.15	30.20	300	15.45	39.50
11.00.10	29.35	400	18.50	39.50
01.25	28.45	500	22.30	39.50
02.45	27.50	600	27.30	39.50
04.00	26.50	700	32.50	24.30
05.15	25.50	800	35.05	21.10
06.30	24.45	900	39.30	17.30
07.45	23.45	1000	43.00	14.00
09.00	22.45	1100	47.00	10.15
10.15	21.30	1200	51.00	06.30
11.30	20.15	1300	55.00	02.45
12.45	19.00	1400	1.32.00	4.01.00
14.00	17.00	1500	35.15	57.30
		1600	39.30	53.30
		1700	42.50	49.30
		1800	46.10	44.15
		1900	50.25	40.25
		2000	54.15	36.10
		2100	58.25	32.00
		2200	2.02.10	27.45
		2300	05.40	22.45
		2400	09.30	17.15

Station 1325 fms.

	2400	12.05	3.14.00
	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	52.5	50306'	-.2	52.3
50		50307'		
100	52.2	50312'	-.3	51.9
200		50317'		
300	51.4	50317'	-.5	40.9
400	50.3	57251'	-.2	40.1
500	39.2	50303'	-.4	39.2
600	39.2	50303'	-.3	39.4
700	39.5	57260'	-.6	38.9
800	39.1	52728'	-.2	38.9
900	39.4	57264'	-.6	38.8
1000	38.8	57258'	-.4	38.4

### REMARKS.

2 sp. fish preserved  
 1 small - from bottom  
 1 large - 40 square ft



No. 21725 Date October 24/11

Machine. Reel.

Turns 1374 Cor. +101 Depth 1374

Shot or lead 35 lbs.

Bottom gy. Co. Fr.

Bottom temperature 37

No. of Thermometer 54 Cor. -4

Corrected temperature 37.2

Air 65 Surface 68 Drift. /

Trawl or dredge or Langles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

5.03.	3.45	0	5.54.40	
14.10	3.37	400	58.20	
15.25	3.29	500	6.00.00	
16.30	3.25	600	6.02.00	
17.45	3.21	700	11.35	
18.55	3.17	800	15.10	
19.55	3.13	900	18.30	
20.55	3.09	1000	21.30	
21.55	3.05	1100	38.10	
22.55	3.01	1200	41.40	
		1300	45.00	
		1400	50.50	
		1500	54.32	
		1600	58.45	
		1700	7.02.10	
		1800	06.15	
		1900	10.30	
		2000	14.25	
		2100	18.45	
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	554
	3300	71845-
	3400	<u>1024.45</u>
	3500	
	3600	84.75-
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		1672	0.00	1672
50		1454		
100		888		
200		278		
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

1. Sample taken at 25 fathoms -  
 2. Sample taken at 50 fathoms -  
 3. Sample taken at 100 fathoms -  
 4. Sample taken at 200 fathoms -  
 5. Sample taken at 300 fathoms -  
 6. Sample taken at 400 fathoms -  
 7. Sample taken at 500 fathoms -  
 8. Sample taken at 600 fathoms -  
 9. Sample taken at 700 fathoms -  
 10. Sample taken at 800 fathoms -  
 11. Sample taken at 900 fathoms -  
 12. Sample taken at 1000 fathoms -

No.

Date 1901-20

Machine, 2 Reel.

Turns 1158 Cor. + 95 Depth 1253

Shot or lead 35 lb

Bottom gy. Op.

Bottom temperature 38-

No. of Thermometer 54822 Cor.

Corrected temperature 37.5

Air Surface Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0	10.40	
		100		
		200		
		300	17	
		400	35	
		500	27.10	
		600	31.00	
		700	34.30	
		800		
		900	3.1	
		1000	41.30	
		1100	48.00	
		1200	51.30	
		1300		
		1400		
		1500		
		1600		
		1700	08.05	36.20
		1800	10.30	20.15
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Wire casted - showing 12 1/2 fms.  
 12 1/2 fms. 12 1/2 fms. 12 1/2 fms. 12 1/2 fms.  
 12 1/2 fms. 12 1/2 fms. 12 1/2 fms. 12 1/2 fms.  
 12 1/2 fms. 12 1/2 fms. 12 1/2 fms. 12 1/2 fms.

2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2727 Date Oct 24/86Machine. 2 Reel.Turns 1239 Cor. + Depth 1239Shot or lead 35 lbBottom gy. oz.Bottom temperature 38.No. of Thermometer 54822 Cor. - .0Corrected temperature 37.5Air 58 Surface 58 Drift. 1 m. 1 stTrawl or dredge or tangles 3000

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0	4.09.00	26.00.00
		100	11.50	27.45
		200	14.45	19.35
		300	18.00	16.20
		400	21.15	12.50
		500	24.40	09.00
		600	28.00	05.45
		700	32.50	7.00.25
		800	37.15	56.15
		900	41.45	52.05
		1000	46.25	47.50
		1100	50.00	43.35
		1200	53.10	39.20
		1300		35.20
		1400		31.15
		1500	04.15	27.30
		1600	07.40	23.20
		1700	12.45	19.10
		1800	16.00	15.00
		1900	20.00	6.11.30
		2000		
		2100		
		2200		
		2300		
		2400		



No. 2728

Date Oct-25-86

Sigsbee Machine. 2 Reel.

Turns Cor.

Depth

Shot or lead 35

Bottom gy. O g.

Bottom temperature 39.

No. of Thermometer 541822 Cor. - 0.5

Corrected temperature 38.5

Air 1 Surface 1 Drift. 1 m. 2 m. 3 m.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
5. 01. 00	32 00	0	5. 41. 00	14. 00
00. 00	31. 50	100	50. 15	10. 50
06. 05	30 00	200	54. 30	08. 20
7. 15	29 15	300	57. 50	05. 20
08. 30	28 30	400	6. 00. 05	02. 20
09. 35	27 35	500	04. 00	58. 30
	26 35	600	07. 50	55. 15
12. 15	25 20	700	11. 35	52. 15
13. 50	24 10	800	14. 30	49. 00
		900	18. 30	45. 40
		1000	22. 30	42. 15
		1100	26. 30	38. 45
		1200	32. 30	34. 55
		1300	35. 45	31. 00
		1400	39. 30	27. 00
		1500		22. 15
		1600	41. 20	17. 15
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		





No.

Date

October 25 1885

Sigsbee Machine. 2 Reel.

Turns 525 Cor. + 54

Depth 679

Shot or lead 35 lbs.

Bottom dk. gn. M. Foram.

Bottom temperature 39.5

No. of Thermometer 54822 Cor. - .5

Corrected temperature

38.5

Air 70

Surface 68

Drift. 1 mi. S. 1/2 E.

Trawl or dredge or tangles 20 fms.

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
4.16				
50. 00	06. 40	0	5. 10. 30	30. 30
51. 10	05. 05	100	55. 45	27. 15
52. 40	05. 20	200	1.0. 15	24. 15
54. 05	04. 35	300	205. 00	20. 15
1.0. 35	03. 45	400	2.0. 50	17. 30
56. 55	02. 50	500	3.0. 20	14. 05
58. 15	0. 01. 25	600	35. 00	10. 10
		700	40. 35	07. 00
		800	45. 00	11. 03. 15
		900	48. 25	50. 10
		1000	49. 40	54. 10
		1100	52. 30	46. 15
		1200	55. 00	43. 10
		1300	0. 00. 15	10. 4. 30
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



No. 2730 Date *June 25 1882*  
*Sigsbee* Machine. *5* Reel.  
Turns 670 Cor. + 50 Depth 727  
~~Shot or lead~~ 35 lbs.  
Bottom *gn M. For.*  
Bottom temperature 37  
No. of Thermometer 54822 Cor. - 5  
Corrected temperature 38.5  
Air 70 Surface 69 Drift.  $\frac{3}{4}$  m. North  
Trawl or dredge or tangles *Sigsbee*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.04.30	21.35	0	12.28.30	7.39.10
12.05.45	21.00	100	12.32.00	7.35.55
12.07.00	20.15	200	12.35.25	7.32.45
12.08.15	19.35	300	12.39.10	7.29.10
12.09.45	18.25	400	12.42.40	7.25.35
12.11.15	17.40	500	12.46.15	7.22.00
12.12.50	16.50	600	12.50.00	2.18.25
	12.10.15	700	12.53.55	2.14.35
		800	12.57.15	2.10.55
		900	1.00.45	2.07.30
		1000	1.04.15	2.03.40
		1100	1.07.50	1.59.50
		1200	1.11.45	1.55.00
		1300	1.16.00	1.51.50
		1400	1.20.25	1.45.30
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Handwritten notes:*  
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 2700  
 2800  
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 3200  
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 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Handwritten remarks:*  
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 99. ...  
 100. ...

No. 5231 Date 10-11-1881

Sigsbee Machine. 2 Reel.

Turns Cor. + 60 Depth

Shot or lead 35 lbs.

Bottom

Bottom temperature

No. of Thermometer 54822 Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
3. 11. 00		0		
19. 05		100		
20. 10		200		
21. 20		300		
21. 20		400		
382 turns		500		
382 turns		600		
382 turns		700		
382 turns		800		
382 turns		900		
382 turns		1000		
382 turns		1100		
382 turns		1200		
382 turns		1300		
382 turns		1400		
382 turns		1500		
382 turns		1600		
382 turns		1700		
382 turns		1800		
382 turns		1900		
382 turns		2000		
382 turns		2100		
382 turns		2200		
382 turns		2300		
382 turns		2400		

T. improved

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Water taken - Macrurus -  
 1 specimen found. In water  
 taken at 1000 ft. depth.  
 1 specimen of Macrurus - 1  
 specimen of Macrurus - 1

No. 231 Date October 25 1886.

Sigsbee Machine. 2 Reel.

Turns 725 Cor. + 56 Depth 781

Shot or lead 35 lbs.

Bottom gy. Oz.

Bottom temperature 39

No. of Thermometer 50303 Cor. - 2

Corrected temperature 38.0

Air 76 Surface Drift. N. E.

Trawl or dredge or longline 1000

SOUNDING WIRE.

DOWN.	UP.
2 44.30	04.00
1.5 45.15	05.05
1. 46.00	06.10
47. 10	07.15
48. 40	08.00.00
49. 15	09.00
50. 45	10.00.00
51. 15	11.00.00

TURNS.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

DREDGE ROPE.

DOWN.	UP.
4 12.00	44.00
16.00	45.00
19.50	36.50
23.10	32.40
26.10	28.40
29.50	24.45
33.50	20.45
37.40	16.40
41.50	11.10
45.40	05.40
48.50	00.50
52.40	56.15
57.45	52.40
5.01.45	48.00
05.30	43.30
10.05	5.37.30

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700	<i>Several shoes came up in the trawl</i>			
800				
900				
1000				

REMARKS.



No. 5722 Date Oct 25 1887.  
Machine. 2 Reel.

Turns 072 Cor. 71 Depth 1155

Shot ~~or lead~~ 35 lbs.

Bottom dk. gn. M.

Bottom temperature 38.5

No. of Thermometer 50303 Cor. - .5

Corrected temperature 38°

Air 67 Surface 68 Drift 1/2 " S 71 "

Trawl or dredge or tangles Large Brown

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
5. 01. 30	20. 10	0	6. 09. 00	20. 30
02. 40	20. 25	100	15. 00	19. 50
03. 50	28. 50	200	20. 00	14. 30
05. 05	28. 05	300	24. 10	11. 30
06. 25	27. 15	400	27. 40	08. 15
07. 50	25. 25	500	31. 15	05. 45
09. 20	25. 25	600	34. 50	03. 15
10. 55	24. 45	700	38. 45	59. 30
12. 30	23. 50	800	42. 35	56. 20
14. 20	22. 50	900	46. 20	53. 05
16. 10	21. 45	1000	50. 05	49. 40
17. 30	5. 21. 00	1100	54. 00	46. 15
		1200	57. 50	43. 20
		1300	7. 01. 55	39. 50
		1400	06. 00	36. 15
		1500	10. 10	32. 30
		1600	14. 00	29. 00
		1700	17. 55	8. 23. 00
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

*4 numbers, 6121, 6122, 6123, 6124.*  
*St. ... ..*  
*... ..*  
*... ..*

No. 2733

Date October 26<sup>th</sup> 1886

Machine. 2 Reel.

Turns 878 Cor. 66 Depth 944

Shot or lead 35 lb.

Bottom gy. M.

Bottom temperature 38.8

No. of Thermometer 50303 Cor. - 5

Corrected temperature 38.3

Air 71 Surface 61 Drift. 2 mi. SW X W.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
7 54.45	16.10	0	10.19.00	05.00
55.50	15.10	100	22.20	02.20
56.55	14.20	200	25.20	59.20
58.05	13.25	300	28.20	56.15
59.15	12.25	400	31.50	53.05
10 01.30	11.25	500	35.20	49.45
01.40	10.25	600	39.00	46.25
02.50	09.10	700	42.30	43.00
04.00	08.00	800	46.30	39.05
		900	49.50	36.10
		1000	54.30	32.30
		1100	58.00	28.45
		1200	11.01.45	25.05
		1300	06.45	20.45
		1400	10.20	16.30
		1500	14.15	12.11.00
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800	Large number of brittle stars.			
900				
1000				

## REMARKS:

Very few specimens  
 in bottom - 5 specimens were  
 taken - but - some of  
 elongation corals.

No. 2734 Date October 26<sup>th</sup> 1886  
~~Signature~~ Machine. 2 Reel.

Turns 781 Cor. + 60 Depth 841

~~Shot or~~ lead 35 (lb)

Bottom gn. M. sft.

Bottom temperature 39

No. of Thermometer 50303 Cor. - 0

Corrected temperature 38.9

Air 71 Surface 68 Drift. 1 1/2 mi WSW

Trawl or dredge or tangles. Long 12

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1.27.15	49.31	0	1.52 -	30.00
28.30	48.30	100	56.	31-30
29.35	47.20	200	2.00.30	32.00
30.40	46.15	300	03.00	33.00
31.50	45.10	400	06.40	33.00
32.55	44.00	500	10.00	34.00
34.00	42.50	600	13.00	35.00
35.05	41.20	700	19.00	36.00
		800	23.20	10.30
		900	27.45	07.10
		1000	31.30	4.03.25
		1100	35.30	59.15
		1200	39.30	55.15
		1300	44.00	51.30
		1400	49.00	47.00
		1500	53.00	3.42.55
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

*Brillie Star fish. No other seen. But many other  
sea urchins found.*

No.

Date

Machine. Reel.

Turns 753 Cor. + 53 Depth

811

~~Shot or lead~~ 55 lb

Bottom sh. gy. m.

Bottom temperature 39

No. of Thermometer 50303 Cor. - .5

Corrected temperature 38.5

Air 71 Surface 68 Drift. 1/2 m. NW

Trawl or dredge or tangles L. g. m.

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

		0	25.50	32.10
37.20	54.20	100	5.03.15	29.00
38.40	55.30	200	06.50	26.00
39.50	54-20	300	10.25	23.05
41-05	53, 15	400	13.30	20.00
42.30	52.10	500	16.00	17.00
	48.55	600		14.35
46.50	49.45	700	23.10	10.10
		800	27.10	06.25
		900	30.30	7.02.30
		1000	33.00	58.10
		1100	37.10	55.10
		1200	42.05	51.30
		1300	46.30	47.00
		1400	51.30	42.35
		1500	55.15	6.37.30
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

*Under 1000 feet*  
*no coral and few shells - fine*  
*fine*  
*Attention is made to*



No. *215* Date *April 8th 1881*  
*Hand Lead Machine.* Reel.

Turns Cor. Depth *11*

Shot or lead

Bottom

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles *Small beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>See</i>	
		<i>100</i>	<i>11.00.00</i>	<i>12.30</i>
		200	<i>0.50.00</i>	<i>11.10.10</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

*Thames  
Long Island, Lake, N.Y.*

No. *27*Date *June 10**Hand Lead Machine.*

Reel.

Turns

Cor. +

Depth *12*

Shot or lead

Bottom

Bottom temperature *not*No. of Thermometer *not*

Cor.

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles *none seen*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

*4.0**ANC*  
*11.17.30**27.30**20.00**25.45*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

Large amount of surface water  
was observed. Hake  
4 sale

No. 2738

Date Sept. 16th. 1881

Signature

Machine. Reel.

Turns 930 Cor. + 28

Depth 958

Shot or lead 35

Bottom br. Oz.

Bottom temperature 38

No. of Thermometer 61577 Cor. .1

Corrected temperature 37.9

Air 70 Surface 70 Drift. / - 3. 1. 00

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
2. 21.5. 10	06.55	0	3. 11. 00	
46. 20	05.55	100	19. 00	6. 00. 00
47. 25	05. 00	200	24. 00	58. 00
48. 30	04. 10	300	28. 00	55. 00
49. 45	03. 10	400	32. 00	52. 00
50. 00	02. 15	500	38. 00	49. 00
52. 00	01. 25	600	41. 00	46. 00
	01. 00	700		43. 00
54. 55	59. 00	800	53. 45	40. 45
56. 30	57. 00	900	58. 40	37. 00
		1000	40. 41. 00	34. 00
		1100	08. 30	30. 00
		1200	13. 45	25. 00
		1300	19. 00	19. 00
		1400	26. 15	14. 00
		1500	30. 30	5. 09. 15
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

#### SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

#### REMARKS.

6.11.11  
 2.11.11

No. *1117*Date *Sept 17 1871*Machine. *B. & R.* Reel.Turns *345* Cor. *7*Depth *352*~~Shot~~ or lead *35*Bottom *Sand*Bottom temperature *39.5*No. of Thermometer *6597* Cor. *-.1*Corrected temperature *39.4*Air *64* Surface *70* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>5.25.00</i>	<i>32:40</i>	0
<i>27.35</i>		100
<i>28.50</i>	<i>35:00</i>	200
<i>30.00</i>	<i>36:00</i>	300
<i>31.45</i>	<i>37:40</i>	400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No.

2737

Date

July 17<sup>th</sup> 1897

Machine.

Reel.

Turns

789

Cor.

22

Depth

811

Shot or lead

35

Bottom

Mudell.

Bottom temperature

35.02

No. of Thermometer

61547

Cor. -1

Corrected temperature

38°.1

Air

65

Surface

64

Drift.

1 mi. 6.1

Trawl or dredge or tangles

L. 100 yds.

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

7:30.00	7:11.6.00
7:35.00	7:07.00
7:36.00	7:02.00
37.35	6:57.00
38.20	56.00
39.30	51.00
40.45	52.25
42.00	52.15
44.00	46.25

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8:02.15	7:02.15
8:07.15	7:07.15
8:12.15	7:12.15
8:17.15	7:17.15
8:22.15	7:22.15
8:27.15	7:27.15
8:32.15	7:32.15
8:37.15	7:37.15
8:42.15	7:42.15
8:47.15	7:47.15
8:52.15	7:52.15
8:57.15	7:57.15
9:02.15	8:02.15
9:07.15	8:07.15
9:12.15	8:12.15
9:17.15	8:17.15
9:22.15	8:22.15
9:27.15	8:27.15
9:32.15	8:32.15
9:37.15	8:37.15
9:42.15	8:42.15
9:47.15	8:47.15
9:52.15	8:52.15

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

Number of fathoms, from  
surface to bottom, a number of  
fathoms, with bottom.

No. *2550*Date *Sept. 1/17*Machine. *Sigsbee*

Reel.

Turns *351*Cor. *1*Depth *611*Shot *35*Bottom *br. Oz.*Bottom temperature *38*No. of Thermometer *61505*Cor. *-1*Corrected temperature *37.4*Air *70*Surface *70*Drift.  $1\frac{1}{2}$  m. *21. 21. 21*Trawl or dredge or tangles *Sigsbee*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

*11 52.30*

100

200

*12 00.30*

300

*03.00*

400

*06.30*

500

*09.45*

600

*14.10*

700

*17.40*

800

*21.20*

900

*26.00*

1000

*30.40*

1100

*33.30*

1200

*38.00*

1300

*41.00*

1400

*45.00*

1500

*50.00*

1600

*55.00*

1700

*59.30*

1800

*1.04.15*

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

*Under and Bay*  
*Dredge from*

No. 27-11

Date Oct 4, 17 1881

Machine. Reel.

Turns 628 Cor. + 24 Depth 852

~~Shot~~ or lead 35

Bottom fm m-

Bottom temperature 38

No. of Thermometer 6557 Cor. - 1

Corrected temperature 37.9

Air 61 Surface 70 Drift 1 mi. N.

Trawl or dredge or tangles Large Reel

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

15 00	31 30	0	31 30	53.30
16 10	30 20	100	51 50	55.25
17 20	29 10	200	50 20	52.35
18 30	28 00	300	48 50	49.45
19 40	26 50	400	46 00	47.00
20 50	25 40	500	43 15	43.30
22 00	24 30	600	40 30	40.15
23 10	23 20	700	36 48	36.50
24 20	22 10	800	33 15	33.35
		900	29 15	30.00
		1000	27 30	27.40
		1100	23 02	23.15
		1200	20 30	20.00
		1300	17 45	15.00
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Two more places where  
white dr. is found.

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

1. Octopus, chamber and corals,  
also, several species corals, few  
shrimps, starfish, hydroids,  
few fish, red fish, number  
of other small animals.

No. 2742 Date July 11 1897  
 Light Machine No. Reel.

Turns 840 Cor. + 25 Depth 865

Shot or lead 35

Bottom Sn. M.

Bottom temperature 38

No. of Thermometer 61597 Cor. -

Corrected temperature

Air 64 Surface 69 Drift. 7 N. 8 E.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
6.30	20.00	0	6.25.00	
04.30	19.20	100	29.45	51.15
05.30	18.15	200	32.45	51.35
06.30	17.30	300	35.00	41.55
07.25	16.30	400	38.15	31.55
08.30	15.30	500	41.45	21.55
09.35	14.00	600	45.00	11.15
10.15	12.30	700	49.15	1.30
11.30	11.35	800	52.30	3.15
		900	55.45	36.30
		1000	59.30	26.30
		1100	7.04.00	16.30
		1200	09.00	11.30
		1300	13.30	8.15
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Temperature not recorded*

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*Large amount of fish  
drawn up from bottom  
for examination*



*Officer*

No. 1091

Date Sep 18 1887

Machine. 134 Reel.

Turns 258 Cor. + 5

Depth 255

Shot or lead 35 lb

Bottom gy S.

Bottom temperature 21.1

No. of Thermometer 61597 Cor. -1

Corrected temperature 40° 9

Air 62 Surface 68 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

51 06.30 18.00

0

07.30 16.40

100

08.30 15.15

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2721 Date July 11 1887

Machine. Sigsbee Reel.

Turns 1171 Cor. 27 Depth 155

Shot or lead 35 lb

Bottom gy. Oz.

Bottom temperature 37.8

No. of Thermometer 177 Cor. -1

Corrected temperature

Air 62 Surface 67 Drift. N. 31/2 E.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

7	22.20	53.20	0	5.10	56.50
	27.50	52.20	100		54.50
	32.10	51.30	200		51.00
	36.40	50.30	300		45.15
	41.10	49.30	400		45.15
	45.40	48.30	500		43.00
	50.10	47.30	600	27.30	40.00
	54.40	46.30	700	30.30	37.00
	59.10	45.30	800	34.30	34.00
	63.40	44.30	900	38.15	31.20
	68.10	43.30	1000	41.30	28.15
	72.40	42.30	1100	44.00	25.25
			1200	47.15	22.15
			1300	52.30	19.00
			1400	57.00	16.45
			1500	9.00 30	12.10
			1600	04.10	08.30
			1700	08.10	04.30
			1800	11.20	00.00
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

*See next page for remarks.*

No. 2744 Date Sept. 18<sup>th</sup> 1887  
 Sigsbee Machine. Reel.

Turns 540 Cor. 14 Depth 554

Shot or lead 35 lbs.

Bottom Br. M.

Bottom temperature 39.

No. of Thermometer 6097 Cor. -1

Corrected temperature 38.9

Air 65 Surface 69 Drift,  $\frac{1}{2}$  m. N x E

Trawl or dredge or tangles Large Beam.

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
11.30.00		0	11.48.00	3 40 -
31.30	43.45	100	.54.15	
34.15	42.50	200	.56.30	29.15
35.30	42.05	300	.59.30	3 06.10
36.30	41.15	400	12.03.30	.59 -
37.45	40.15	500	.06.10	29.45
38.00	39.00	600	.09.30	26 -
		700	.13.00	22.10
		800	.16.15	08.15
		900	.20.40	05. -
		1000	.25.15	1.00.20
		1100	.29.05	53.15
		1200	.33.10	12.50.00
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*For red and orange but in white  
bedding.*

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

# SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

*2000 amount of mud, 12 poles  
from 2000 to 3000  
2000 mud, a few crustacean  
shells.*

No. 272

Date

Machine. B. C. Reel.

Turns 225 Cor. +

Depth 224

~~Shot or lead~~ 35 lb

Bottom gn M.

Bottom temperature 41-8

No. of Thermometer 61597 Cor. -1

Corrected temperature

Air 64

Surface 68

Drift.  $\frac{1}{2}$  m 2.00

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

56.30	02.20	0	4.20.00	5.02
57.25	01.10	100		
58.15		200		56.30
		300		52.50
		400		51.15
		500		50.00
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

Low haul, no living, etc.,  
sponge, and murex.



No. 272 Date Feb 15 1882

Machine. L. C. Reel.

Turns 100 Cor. + 2 Depth 102

Shot or lead 35 lb

Bottom gn S

Bottom temperature 51.3

No. of Thermometer 6107 Cor. + .1

Corrected temperature 53.5

Air 65 Surface 68 Drift. 3/00

Trawl or dredge or tangles 2 30 12

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>5. 24. 30</u>		0	<u>5. 14</u>	
<u>05. 30</u>	<u>07. 10</u>	100	<u>18. 00</u>	<u>45. 00</u>
		200	<u>21. 15</u>	<u>5. 41. 40</u>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Tow 1 surface white dredging*

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*25 fms and below a few  
small ones, 10 fms.*

No. 2747.

Date Sept. 19<sup>th</sup> 1887.

Machine 38 Reel.

Turns 1235 Cor. 41 Depth 1276

Shot or lead 35 lbs.

Bottom Br. M.

Bottom temperature 37.5

No. of Thermometer 61957 Cor. -1

Corrected temperature 37.4

Air 67 Surface 67 Drift. 5 mi

Trawl or dredge or tangles. 100 fms

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
5.24.30	42.20	0	6.12.40	1.50
25.40	44.15	100	08.10	10.10
26.40	45.15	200	12.10	17.10
28.00	47.30	300	15.10	02.10
29.15	49.55	400	17.10	07.10
30.30	51.15	500	21.10	
33.40	40.30	600	22.10	
35.00	49.50	700	27.10	
36.15	42.00	800	30.00	
37.45	48.00	900	33.35	
39.00	47.00	1000	37.30	41.10
40.30	46.15	1100	41.10	37.45
42.00	45.10	1200	44.45	
42.30	43.15	1300	48.00	31.10
		1400	52.45	21.10
		1500	56.45	15.10
		1600	7.00.00	21.50
		1700	03.50	17.10
		1800	07.45	14.10
		1900	12.00	8.10
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2448* Date *Mar 18 1880**Sigsbee* Machine. Reel.Turns *1120* Cor. + *37* Depth *1163*Shot or lead *35*Bottom *M. S. J.*Bottom temperature *37.8*No. of Thermometer *61597* Cor. *-.1*Corrected temperature *37.7*Air *1/2* Surface *61* Drift. *W 1-1*Trawl or dredge or tangles *Long*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>10.22.25</i>	<i>47.25</i>	0	<i>10.53.00</i>	<i>57.15</i>
<i>25.25</i>	<i>46.50</i>	100	<i>57.30</i>	<i>57.00</i>
<i>28.30</i>	<i>46.20</i>	200	<i>11.01.15</i>	<i>56.50</i>
<i>29.30</i>	<i>45.45</i>	300	<i>02.15</i>	<i>56.45</i>
<i>30.30</i>	<i>45.05</i>	400	<i>06.10</i>	<i>49.20</i>
<i>31.30</i>	<i>44.20</i>	500	<i>08.50</i>	<i>45.15</i>
<i>32.30</i>	<i>43.45</i>	600	<i>12.15</i>	<i>41.30</i>
<i>33.30</i>	<i>43.15</i>	700	<i>15.45</i>	<i>37.45</i>
<i>34.45</i>	<i>42.45</i>	800	<i>19.15</i>	<i>36.00</i>
<i>35.55</i>	<i>41.10</i>	900	<i>22.40</i>	<i>33.20</i>
<i>37.00</i>	<i>40.45</i>	1000	<i>26.15</i>	<i>29.45</i>
<i>38.15</i>	<i>40.15</i>	1100	<i>30.00</i>	<i>26.00</i>
		1200	<i>34.15</i>	<i>22.30</i>
		1300	<i>37.40</i>	<i>18.45</i>
		1400	<i>41.15</i>	<i>15.00</i>
		1500	<i>45.30</i>	<i>10.45</i>
		1600	<i>49.45</i>	<i>07.00</i>
		1700	<i>53.15</i>	<i>02.45</i>
		<i>1750</i>	<i>56.15</i>	<i>10030</i>
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

*Very fine, 2 netting, a  
 number of small fish, some  
 at 1000 ft. a number of deep-sea  
 glows, and a number of  
 shells.*

No. 2749Date Sept. 1901Machine Os Reel.Turns 181 Cor. + 1Depth 705Shot or lead 35 lbBottom gn. Cr.Bottom temperature 38.2No. of Thermometer 6577 Cor. -Corrected temperature 38.2Air 69 Surface 67 Drift.Trawl or dredge or tangles Orange

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
02-30	12-15-0	0	3-20-00	56.10
03-25	12-15	100	3-40	51.00
04-25	13-10	200	3-55	45.15
05-25	13-15	300	4-10	40.00
06-25	14-15	400	4-25	34.15
07-25	15-20	500	4-40	30.00
	16-20	600	4-55	24.00
		700	5-10-30	17.30
		800	5-25-05	13.15
		900	5-40-45	08.20
		1000	5-55-15	03.15
		1100	6-10-50	5.00.10
		1200	6-25-45	57-
		1300	6-40-45	53.30
		1400	6-55-05	48.30
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*From 2 fathoms to 10 fathoms*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

# REMARKS.

*At 1000 fms. Boiling, and then  
 lake, few starfishes, 3 other  
 animals, very gorgons, heavy  
 load of mud.*



No. \_\_\_\_\_ Date \_\_\_\_\_

Machine. \_\_\_\_\_ Reel. \_\_\_\_\_

Turns \_\_\_\_\_ Cor. + \_\_\_\_\_ Depth \_\_\_\_\_

Shot or lead \_\_\_\_\_

Bottom \_\_\_\_\_

Bottom temperature \_\_\_\_\_

No. of Thermometer \_\_\_\_\_ Cor. \_\_\_\_\_

Corrected temperature \_\_\_\_\_

Air \_\_\_\_\_ Surface \_\_\_\_\_ Drift. \_\_\_\_\_

Trawl or dredge or tangles \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine. Reel.**Turns Cor. + Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer Cor.**Corrected temperature**Air Surface Drift.**Trawl or dredge or tangles*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air**Surface**Drift.**Trawl or dredge or tangles*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air**Surface**Drift.**Trawl or dredge or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air**Surface**Drift.**Trawl or dredge or tangles*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. \_\_\_\_\_ Date \_\_\_\_\_

Machine. Reel.

Turns \_\_\_\_\_ Cor. + \_\_\_\_\_ Depth \_\_\_\_\_

Shot or lead \_\_\_\_\_

Bottom \_\_\_\_\_

Bottom temperature \_\_\_\_\_

No. of Thermometer \_\_\_\_\_ Cor. \_\_\_\_\_

Corrected temperature \_\_\_\_\_

Air \_\_\_\_\_ Surface \_\_\_\_\_ Drift. \_\_\_\_\_

Trawl or dredge or tangles \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine. Reel.**Turns Cor. + Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer Cor.**Corrected temperature**Air Surface Drift.**Trawl or dredge or tangles*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air Surface**Drift.**Trawl or dredge or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



*No.* \_\_\_\_\_ *Date* \_\_\_\_\_*Machine.* \_\_\_\_\_ *Reel.* \_\_\_\_\_*Turns* \_\_\_\_\_ *Cor. +* \_\_\_\_\_ *Depth* \_\_\_\_\_*Shot or lead* \_\_\_\_\_*Bottom* \_\_\_\_\_*Bottom temperature* \_\_\_\_\_*No. of Thermometer* \_\_\_\_\_ *Cor.* \_\_\_\_\_*Corrected temperature* \_\_\_\_\_*Air* \_\_\_\_\_ *Surface* \_\_\_\_\_ *Drift.* \_\_\_\_\_*Trawl or dredge or tangles* \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine. Reel.**Turns Cor. + Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer Cor.**Corrected temperature**Air Surface Drift.**Trawl or dredge or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air**Surface**Drift.**Trawl or dredge or tangles*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.* \_\_\_\_\_ *Date* \_\_\_\_\_  
*Machine.* \_\_\_\_\_ *Reel.* \_\_\_\_\_  
*Turns* \_\_\_\_\_ *Cor. +* \_\_\_\_\_ *Depth* \_\_\_\_\_  
*Shot or lead* \_\_\_\_\_  
*Bottom* \_\_\_\_\_  
*Bottom temperature* \_\_\_\_\_  
*No. of Thermometer* \_\_\_\_\_ *Cor.* \_\_\_\_\_  
*Corrected temperature* \_\_\_\_\_  
*Air* \_\_\_\_\_ *Surface* \_\_\_\_\_ *Drift.* \_\_\_\_\_  
*Trawl or dredge or tangles* \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



*No.* *Date*  
*Machine.* *Reel.*  
*Turns* *Cor. +* *Depth*  
*Shot or lead*  
*Bottom*  
*Bottom temperature*  
*No. of Thermometer* *Cor.*  
*Corrected temperature*  
*Air* *Surface* *Drift.*  
*Trawl or dredge or tangles*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air**Surface**Drift.**Trawl or dredge or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air**Surface**Drift.**Trawl or dredge or tangles*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air**Surface**Drift.**Trawl or dredge or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

# SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.





$$\begin{array}{r}
 5300 \\
 2350 \\
 \hline
 2950
 \end{array}
 \quad 2350$$

$$\begin{array}{r}
 3800 \\
 1273 \\
 \hline
 2527
 \end{array}$$





Ed Miller  
Ed Miller  
Ed Miller

*Correction Table — Reel No. 2*  
*Sigsbee Sounding Machine*

<u>Cor.</u>	<u>Turns</u>	<u>Cor.</u>	<u>Turns</u>	<u>Cor.</u>	<u>Turns</u>
0	50	25	1300	83	2550
0	100	27	1350	86	2600
1	150	29	1400	89	2650
1	200	30	1450	92	2700
2	250	31	1500	95	2750
3	300	33	1550	98	2800
4	350	35	1600	101	2850
4	400	37	1650	104	2900
5	450	39	1700	107	2950
6	500	41	1750	110	3000
7	550	43	1800	113	3050
8	600	45	1850	116	3100
9	650	47	1900	120	3150
10	700	49	1950	124	3200
11	750	51	2000	128	3250
12	800	53	2050	132	3300
13	850	56	2100	136	3350
14	900	59	2150	140	3400
15	950	62	2200	144	3450
17	1000	65	2250	148	3500
19	1050	68	2300	151	3550
21	1100	71	2350	155	3600
22	1150	74	2400	159	3650
23	1200	77	2450	163	3700
24	1250	80	2500		

Cor.	Turns
167	3750
171	3800
175	3850
179	3900
183	3950
187	4000
192	4050
197	4100
202	4150
207	4200

$$\begin{array}{r} 38 \\ 725 \\ \hline 3075 \end{array} \quad \begin{array}{r} 171 \\ 115 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 3800 \\ 1074 \\ \hline 2726 \end{array} \quad \begin{array}{r} 171 \\ 93 \\ \hline 78 \end{array}$$

← correction.



$$\begin{array}{r} 345 \\ 7 \\ \hline 52 \end{array}$$

$$\begin{array}{r} 171 \\ 113 \\ \hline 58 \end{array}$$

$$\begin{array}{r} 171 \\ 113 \\ \hline 58 \end{array}$$

$$\begin{array}{r} 207 \\ 80 \\ \hline 127 \end{array}$$

$$\begin{array}{r} 207 \\ 80 \\ \hline 127 \end{array}$$

$$\begin{array}{r} 207 \\ 80 \\ \hline 127 \end{array}$$

$$\begin{array}{r} 79920.7 \\ 14.3 \\ \hline 6 \end{array} \quad \begin{array}{r} 3800 \\ 950 \\ \hline 3050 \end{array}$$

$$\begin{array}{r} 171 \\ 110 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 789 \\ 22 \\ \hline 811 \end{array}$$

$$\begin{array}{r} 171 \\ 111 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 1200 \\ 750 \\ \hline 450 \end{array}$$

$$\begin{array}{r} 171 \\ 113 \\ \hline 58 \end{array}$$

$$2100$$

$$\begin{array}{r} 171 \\ 56 \\ \hline 115 \end{array}$$

$$\begin{array}{r} 154 \\ 4000 \\ \hline 4154 \end{array}$$

$$154$$

$$\begin{array}{r} 500 \\ 225 \\ \hline 276 \end{array}$$

$$\begin{array}{r} 297 \\ 84 \\ \hline 123 \end{array}$$

$$\begin{array}{r} 4200 \\ 1275 \\ \hline 2927 \end{array}$$

$$\begin{array}{r} 207 \\ 100 \\ \hline 107 \end{array}$$

$$\begin{array}{r} 207 \\ 80 \\ \hline 127 \end{array}$$